

Article 11. Treatment Standards-Non-RCRA Waste Categories**§66268.105. Applicability of Treatment Standards.**

(a) A restricted waste identified in section 66268.106 may be land disposed without further treatment only if an extract of the waste or of the treatment residue of the waste developed using the test method in Appendix II chapter 11, CCR, does not exceed the value shown in Table I-CCWE of section 66268.106 for any hazardous constituent listed in Table I-CCWE for that waste.

(b) A restricted waste identified in section 66268.107 may be land disposed only if the constituent concentrations in the waste or treatment residue of the waste do not exceed the value shown in section 66268.107 for any hazardous constituent listed for that waste.

NOTE: Authority cited: Sections 25150, 25159 and 25179.6, Health and Safety Code; and Section 58012 of the Governor's Re-organization Plan #1 of 1991. Reference: Sections 25150, 25159, 25159.5, 25179.3 and 25179.6, Health and Safety Code.

HISTORY

1. Amendment and renumbering of former section 67750 to section 66268.105 filed 5-24-91; operative 7-1-91 (Register 91, No. 22). A Certificate of Compliance for 5-6-91 order must be transmitted to OAL by 9-3-91 or emergency language will be repealed by operation of law on the following day.
2. Emergency order of 5-6-91 amending subsections (d) and (e) refiled 9-3-91 as an emergency; operative 9-3-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 1-2-92 or emergency language will be repealed by operation of law on the following day.
3. Amendment of subsections (d) and (e) refiled 12-26-91 as an emergency; operative 12-26-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 4-24-92 or emergency language will be repealed by operation of law on the following day.
4. New subsections (d) and (e) refiled 4-20-92 as an emergency; operative 4-20-92 (Register 92, No. 21). A Certificate of Compliance must be transmitted to OAL 8-18-92 or emergency language will be repealed by operation of law on the following day.
5. Certificates of Compliance as to 4-20-92 order including new subsections (f)-(f)(1) and amendment of Note transmitted to OAL 8-11-92 and filed 9-23-92 (Register 92, No. 39).
6. Repealer of subsections (c)-(f)(1) filed 7-23-97; operative 8-22-97 (Register 97, No. 30).

§66268.106. Treatment Standards Expressed As Concentrations in Waste Extract.

(a) The CCWE tables (below) identify the restricted wastes and the concentrations of their associated hazardous constituents which may not be exceeded by the extract of a waste or waste treatment residual developed using the test method in Appendix II, chapter 11, CCR, for the allowable land disposal of such waste.

(1) Table I-A CCWE identifies the non-RCRA auto shredder wastes and the concentrations of their associated hazardous constituents which may not be exceeded by the extract of the waste or treatment residual for the allowable land disposal of such waste or residual.

TABLE I-A CCWE

Auto Shredder Wastes	Concentration (mg/l)
Cadmium	1.0
Chromium (VI) Compounds	5.0
Chromium (total)	560.0
Copper	25.0
Lead	50.0
Mercury	0.2
Nickel	20.0
Zinc	250.0

(2) Table I-B CCWE identifies the concentrations of hazardous constituents of hazardous waste foundry sand which may not be exceeded by the waste or treatment residual for the allowable land disposal of such waste or residual.

(A) Hazardous waste foundry sand containing hazardous constituents other than those listed in Table I-B CCWE or exhibiting other hazardous characteristics shall be subject to the appropriate generic treatment standard(s) for those hazardous constituents or hazardous characteristics.

TABLE I-B CCWE

Hazardous Waste Foundry Sand	Concentration (mg/l)
Cadmium	1.0
Copper	200.0
Lead	30.0
Nickel	20.0
Zinc	250.0

(3) Table I-D CCWE identifies the non-RCRA metal-containing fly ash, bottom ash, retort ash and baghouse waste from sources other than foundries, and the concentrations of their associated hazardous constituents which may not be exceeded by the extract of the waste or treatment residual for the allowable land disposal of such waste or residual. The specified concentrations shall not be exceeded by an average value of WET results for four representative samples, or a single representative sample. Non-RCRA fly ash, bottom ash, retort ash and baghouse waste from sources other than foundries containing hazardous constituents other than those listed in Table I-D CCWE shall be subject to the appropriate generic treatment standard(s) for those hazardous constituents or hazardous characteristics.

Table I-D CCWE

Non-RCRA Waste Category
Fly ash, Bottom Ash, Retort
Ash, and Baghouse waste from
Sources other than Foundries

Concentration	(mg/l)
Arsenic	15.0
Cadmium	1.0
Copper	40.0
Lead	20.0
Nickel	20.0
Selenium	1.0
Vanadium	24.0
Zinc	250.0

(4) Table I-E CCWE identifies the non-RCRA metal-containing baghouse waste from foundries, and the concentrations of their associated hazardous constituents which may not be exceeded by the extract of the waste or treatment residual for the allowable land disposal of such waste or residual. The specified concentrations shall not be exceeded by an average value of WET results for four representative samples, or a representative sample. Non-RCRA baghouse waste from foundries containing hazardous constituents other than those listed in Table I-E CCWE shall be subject to the appropriate generic treatment standard(s) for those hazardous constituents or hazardous characteristics.

Table I-E CCWE

Non-RCRA Waste Category
Baghouse Waste from Foundries

Concentration (mg/l)

Concentration	(mg/l)
Arsenic	15.0
Cadmium	1.0
Copper	350.0
Lead	70.0

Concentration	(mg/l)
Nickel	20.0
Selenium	1.0
Vanadium	24.0
Zinc	250.0

(b) When wastes with differing treatment standards for a constituent of concern are combined for purposes of treatment, the treatment residue shall meet the lowest treatment standard for the constituent of concern.

NOTE: Authority cited: Sections 25150, 25159 and 25179.6, Health and Safety Code; and Section 58012 of the Governor's Re-organization Plan #1 of 1991. Reference: Sections 25150, 25159, 25159.5, 25170, 25179.3 and 25179.6, Health and Safety Code.

HISTORY

1. Amendment and renumbering of former section 67755 to section 66268.106 filed 5-24-91; operative 7-1-91 (Register 91, No. 22). A Certificate of Compliance for 5-6-91 order must be transmitted to OAL by 9-3-91 or emergency language will be repealed by operation of law on the following day.
2. Emergency order of 5-6-91 amending subsections (a) and (a)(3) refiled 9-3-91 as an emergency; operative 9-3-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 1-2-92 or emergency language will be repealed by operation of law on the following day.
3. Amendment to subsections (a)-(a)(3) refiled, including further amendments, filed 12-26-91 as an emergency; operative 12-26-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 4-24-92 or emergency language will be repealed by operation of law on the following day.
4. Amendment of subsections (a)-(a)(3) refiled 4-20-92 as an emergency; operative 4-20-92 (Register 92, No. 21). A Certificate of Compliance must be transmitted to OAL 8-18-92 or emergency language will be repealed by operation of law on the following day.
5. Certificate of Compliance as to 4-20-92 order including amendment of subsection (a)(3) and Note transmitted to OAL 8-11-92 and filed 9-23-92 (Register 92, No. 39).
6. Editorial correction amending subsection (a), adding new subsections (a)(1) and (a)(2), and amending of subsections (a)(3) and (a)(3)(A) filed 2-23-93 (Register 93, No. 7).
7. Editorial correction inserting mistakenly omitted Table I-E CCWE filed as part of 12-4-90 order (Register 97, No. 30).
8. Repealer of subsection (a)(3), Table I-C CCWE and subsection (a)(3)(A), subsection renumbering, and repealer of former subsection (a)(6) filed 7-23-97; operative 8-22-97 (Register 97, No. 30).

§66268.107. Treatment Standards Expressed As Waste Concentrations.

(a) Table II-CCW identifies the non-RCRA metal-containing aqueous wastes and the concentrations of their associated hazardous constituents which may not be exceeded by the waste or treatment residual for the allowable land disposal of such waste or residual.

Table II--Constituent Concentrations in Wastes

Non-RCRA Waste Category Metal-Containing Aqueous Solution	Concentration In Liquid Residual (mg/l)
Antimony	15.0
Arsenic	5.0
Barium	100.0
Beryllium	0.75
Cadmium	1.0
Chromium (VI)	5.0
Chromium (III)	560.0
Cobalt	80.0
Copper	25.0
Lead	5.0

Non-RCRA Waste Category Metal-Containing Aqueous Solution	Concentration In Liquid Residual (mg/l)
Mercury	0.2
Molybdenum	350.0
Nickel	20.0
Selenium	1.0
Silver	5.0
Thallium	7.0
Vanadium	24.0
Zinc	250.0

(A) The concentrations listed in subsection (a) shall be determined using the WET procedure specified in Appendix II, chapter 11, CCR.

(c)(1) When RCRA wastes with differing treatment standards for a constituent of concern are combined for purposes of treatment, the treatment residue must meet the lowest treatment standard for the constituent of concern. When non-RCRA wastes with differing treatment standards for a constituent of concern are combined for purposes of treatment, the treatment residue must meet the lowest treatment standard for the constituent of concern.

(c)(2) When RCRA and Non-RCRA wastes are combined for purposes of treatment, the treatment residue must meet both the lowest treatment standard established for the RCRA wastes and the lowest treatment standard established for the non-RCRA wastes.

NOTE: Authority cited: Sections 208, 25150, 25159 and 25179.6, Health and Safety Code. Reference: Sections 25150, 25159, 25159.5, 25179.3 and 25179.6, Health and Safety Code.

HISTORY

1. New section filed 5-24-91; operative 7-1-91 (Register 91, No. 22).
2. Repealer of subsection (b), Table III, and subsections (b)(1)-(3) filed 7-23-97; operative 8-22-97 (Register 97, No. 30).

§66268.108. Treatment Standard Expressed as Specific Technologies.

[Reserved]

§66268.110. Treatment Standard for PCB Wastes.

NOTE: Authority cited: Sections 208, 25150, 25159 and 25179.6, Health and Safety Code. Reference: Sections 25150, 25159, 25159.5, 25179.3 and 25179.6, Health and Safety Code.

HISTORY

1. New section filed 5-24-91; operative 7-1-91 (Register 91, No. 22).
2. Change without regulatory effect repealing section filed 3-29-96 pursuant to section 100, title 1, California Code of Regulations (Register 96, No. 13).

§66268.112. Treatment Standards for Aqueous and Liquid Organic Wastes.

NOTE: Authority cited: Sections 25150, 25159 and 25179.6, Health and Safety Code; and Section 58012 of the Governor's Reorganization Plan #1 of 1991. Reference: Sections 25150, 25159, 25159.5, 25179.3 and 25179.6, Health and Safety Code.

HISTORY

1. Amendment and renumbering of former section 67785 to section 66268.112 filed 5-24-91; operative 7-1-91 (Register 91, No. 22). A Certificate of Compliance for 5-6-91 order must be transmitted to OAL by 9-3-91 or emergency language will be repealed by operation of law on the following day.
2. Emergency order of 5-6-91 adopting section refiled 9-3-91 as an emergency; operative 9-3-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 1-2-92 or emergency language will be repealed by operation of law on the following day.
3. Adoption of section refiled 12-26-91 as an emergency; operative 12-26-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 4-24-92 or emergency language will be repealed by operation of law on the following day.
4. Adoption of section refiled 4-20-92 as an emergency; operative 4-20-92 (Register 92, No. 21). A Certificate of Compliance must be transmitted to OAL 8-18-92 or emergency language will be repealed by operation of law on the following day.
5. Certificate of Compliance as to 4-20-92 order including amendment of section and Note transmitted to OAL 8-11-92 and filed 9-23-92 (Register 92, No. 39).
6. Change without regulatory effect repealing section filed 3-29-96 pursuant to section 100, title 1, California Code of

Regulations (Register 96, No.13).

§66268.113. Treatment Standards for Solid Hazardous Waste Containing Organics.

NOTE: Authority cited: Sections 25150, 25159 and 25179.6, Health and Safety Code; and Section 58012 of the Governor's Re-organization Plan #1 of 1991. Reference: Sections 25150, 25159, 25159.5, 25179.3 and 25179.6, Health and Safety Code.

HISTORY

1. Amendment and renumbering of former section 67786 to section 66268.113 filed 5-24-91; operative 7-1-91 (Register 91, No. 22). A Certificate of Compliance for 5-6-91 order must be transmitted to OAL by 9-3-91 or emergency language will be repealed by operation of law on the following day.
2. Emergency order of 5-6-91 adopting section refiled 9-3-91 as an emergency; operative 9-3-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 1-2-92 or emergency language will be repealed by operation of law on the following day.
3. Adoption of section refiled, including amendments, refiled 12-26-91 as an emergency; operative 12-26-91 (Register 92, No. 17). A Certificate of Compliance must be transmitted to OAL 4-24-92 or emergency language will be repealed by operation of law on the following day.
4. Adoption of section refiled 4-20-92 as an emergency; operative 4-20-92 (Register 92, No. 21). A Certificate of Compliance must be transmitted to OAL 8-18-92 or emergency language will be repealed by operation of law on the following day.
5. Certificate of Compliance as to 4-20-92 order including amendment of section and Note transmitted to OAL 8-11-92 and filed 9-23-92 (Register 92, No. 39).
6. Certificate without regulatory effect repealing section filed 3-29-96 pursuant to section 100, title 1, California Code of Regulations (Register 96, No.13).

§66268.114. Treatment Standard for Asbestos-Containing Waste.

- (a) Asbestos-containing waste shall be treated using one of the methods of (a)(1) through (a)(3).
- (1) Asbestos-containing waste is managed as follows:
 - (A) Mix control device asbestos-containing waste to form a slurry; adequately wet other asbestos-containing waste; and
 - (B) Discharge no visible emissions to the outside air from collection, mixing, wetting and handling operations; and
 - (C) After wetting, seal all asbestos-containing waste in leak tight containers while wet; or, for waste that will not fit into containers without additional breaking, put waste into leak tight wrapping; and discharge no visible emissions during disposal operations.
- (2) Process asbestos-containing waste into nonfriable form.
- (3) Use an alternative waste treatment method pursuant to Health and Safety Code 25179.6(b)(2).
- (b) When used in subsection (a), the following terms have the meanings given below:
 - (1) "Adequately wet" means sufficiently mixed or penetrated with liquid to prevent the release of finely divided particles of asbestos or waste containing asbestos. If visible emissions are observed coming from asbestos-containing waste, then that waste has not been adequately wetted. However, absence of visible emissions is not sufficient evidence of being adequately wetted.
 - (2) "Visible emissions" means any emissions which are visually detectable without the aid of instrument, coming from asbestos-containing waste. This does not include condensed, uncombined water.
 - (3) "Leak tight" means that solids or liquids cannot escape or spill out. It also means dust tight.

NOTE: Authority cited: Sections 25150, 25159, 25179.6 and 58012, Health and Safety Code. Reference: Sections 25150, 25159, 25159.5 and 25179.6, Health and Safety Code.

HISTORY

1. New section filed 3-1-93; operative 3-1-93 (Register 93, No. 10).